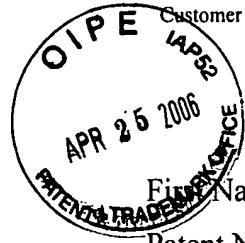


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Patent

Case No.: 55139US002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Named Inventor: DAHN, JEFFREY R.

Patent No.: 6833707 Group Art Unit: 2858

Dated: December 21, 2004 Examiner: Anjan K. Deb

Title: METHOD AND APPARATUS FOR CHARACTERIZING HIGH-  
ENERGY ELECTROCHEMICAL CELLS USING POWER  
FUNCTIONS OBTAINED FROM CALORIMETRY

**REQUEST FOR CERTIFICATE OF CORRECTION UNDER 37 CFR § 1.322**

Commissioner for Patents  
Office of Publication  
Attn: Certificate of Correction Branch  
P.O. Box 1450  
Alexandria, VA 22313-1450

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

APR 21 2006

Date

Signed by: Lydia M. Cahill

Dear Sir:

It is respectfully requested that a Certificate of Correction be issued in connection with the above-identified patent. The required text is submitted on the attached form.

Because the listed errors first occurred in the printed patent, and are not due to Applicant's mistake, no fee is required in connection with this Certificate of Correction.

Respectfully submitted,

Date

Office of Intellectual Property Counsel  
3M Innovative Properties Company  
Facsimile No.: 651-736-3833

By: Lucy C. Weiss  
Lucy C. Weiss, Reg. No.: 32,834  
Telephone No.: 651-733-1189

Certificate  
APR 28 2006  
of Correction

JUN 2 2006  
JUN 1 2006

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

Page 1 of 3

PATENT NO.: 6833707

DATED: December 21, 2004

FIRST NAMED INVENTOR: DAHN, JEFFREY R.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 5

Line 56, below " $\frac{dT}{dt} = \frac{h}{C'_{tot}} * \frac{du}{dt}$ " insert --  $P_c = H du/dt$  --.

Column 6

Lines 7-8, delete "P<sub>B</sub>" and insert -- P<sub>a</sub>--, therefor.

$P_a = H_2 \left| \frac{dx_2}{dt} \right| + H_1 \left| \frac{dx_1}{dt} \right|$   
Line 7-8, after " " insert -- [13] --.

$\frac{dx_1}{dt} = -\gamma_1 \exp^{-E_1/k_b T} x_2^{0.5}$   
Line 11, after " " insert -- [14], --.

Line 15, delete "dx<sub>2</sub>" and insert -- dx<sub>1</sub>--, therefor.

Line 15, delete "- E<sub>2</sub> / k<sub>b</sub> T" and insert -- - E<sub>1</sub> / k<sub>b</sub> T --, therefor.

Line 15, after "and" insert -- [15] --.

Line 38, delete " cathodeelectrolyte" and insert -- cathode/electrolyte --, therefor.

Column 11

Line 25-27, Delete "The accelerating rate calorimeter 100 maintains a sample in adiabatic conditions once an exothermic reaction has been detected and measures sample temperature as a function of time." and insert the same on line 24 after "(model ARC-2000)".

MAILING ADDRESS OF SENDER:

PATENT NO. 6833707

**OFFICE OF INTELLECTUAL PROPERTY COUNSEL  
3M INNOVATIVE PROPERTIES COMPANY  
3M CENTER - P.O. BOX 33427  
SAINT PAUL, MINNESOTA 55133-3427**

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**CERTIFICATE OF CORRECTION**

Page 2 of 3

PATENT NO.: 6833707  
DATED: December 21, 2004  
FIRST NAMED INVENTOR: DAHN, JEFFREY R.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 11

Line 53, after "of" delete "a".

Column 12

Line 53, after "onset" insert - - . - -.

Column 13

Line 44, delete "fill" and insert - - full - -, therefor.

Column 15

Line 63, after "K" insert - - . - -.

Column 18

Line 11, after "[14]" insert - - , - -.

Line 14, delete " $-_2^{E/K} T_b$ " and insert - -  $_1^{E/K} T_b$  - -, therefor.

Column 19

Line 21, delete "[ $P_{ai} \rho_a + P_{ci} \rho_c + P_{ei}$ ]" and insert - - [ $P_{ai} \rho_a + P_{ci} \rho_c + P_{ei}$ ] - -, therefor.

Line 49, delete "[ $P_{ai} \rho_a + P_{ci} \rho_c + P_{ei}$ ]" and insert - - [ $P_{ai} \rho_a + P_{ci} \rho_c + P_{ei}$ ] - -, therefor.

Line 61, delete " $(T_c - T_{can})$ " and insert - -  $(T_e - T_c)$  - -, therefor.

Line 66, delete "enviornmental" and insert - - environmental - -, therefor.

Column 21

Line 6, delete " $(T_e - T_{can})$ " and insert - -  $(T_e - T_c)$  - -, therefor.

Line 13, delete " $T_c$ " and insert - -  $T_e$  - -, therefor.

Line 14, delete " $X_3$ ;" and insert - -  $X_{3i}$  - -, therefor.

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Page 3 of 3

PATENT NO.: 6833707

DATED: December 21, 2004

FIRST NAMED INVENTOR: DAHN, JEFFREY R.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 23

Line 36, delete "y" and insert -- γ --, therefor.

Line 61, delete "an d" and insert -- and --, therefor.

Column 27

Line 18, after "302" delete ";" and insert -- . . . --, therefor.

Line 51, delete "xio" and insert -- Xio --, therefor.

Line 60, delete "⁰c.)" and insert -- (⁰c.) --, therefor.

Column 28

Line 20-25, delete "Figure 19 shows a Cylindrical Calculation dialog box 400 which is presented to the designer in response to activating the Cylindrical Geometry button 392 provided in the Battery Geometry region 390. The designer may enter can length (cm) and radius (cm) values using Length and Radius input fields 402 and 404, respectively." and insert the same on line 19 after "394."

Column 29

Line 16, insert -- Alternatively, the instructions may be contained in other signal-bearing media, such as one or more magnetic data storage diskettes, direct access data storage disks (e.g., a conventional hard drive or a RAID array), magnetic tape, alterable or non-alterable electronic read-only memory (e.g., EEPROM, ROM), flash memory, optical storage devices (e.g., CDROM or WORM), signal-bearing media including transmission media such as digital, analog, and communication links and wireless, and propagated signal media (e.g., via communications link 129). In an illustrative embodiment, the machine-readable instructions may constitute lines of compiled "C" language code or "C++" object-oriented code. -- in line 16 as a new paragraph.

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